

Papio-Missouri NRD

Platte River Ice Thickness measurements- Feb 11, 2014

MEMORANDUM

TO: File 536

FROM: Bill Warren, O&M Superintendent

SUBJECT: Platte River Ice Thickness Measurement Along Union Dike

DATE: February 11, 2014

On February 11, 2014, Pat McEvoy performed ice thickness measurements on the Platte River. The measurements were taken perpendicular to the river flow, near the dike's 10 jetty project location, near Werner Property south line, at approximately Station 155+00 (1.1 miles upstream of Highway 64).

A gas powered auger was used to drill the holes. The location of the holes on the table below were measured (stepped off) from the east bank of the Platte River. There was an open water area beyond the last boring, so it was not possible to drill additional holes.

Distance From East Bank (Feet)	Ice Thickness (Inches)	Depth From Top of Ice to River Bed (Inches)
40	12.5	39.0
190	15.0	18.0
315*	11.0	30.0

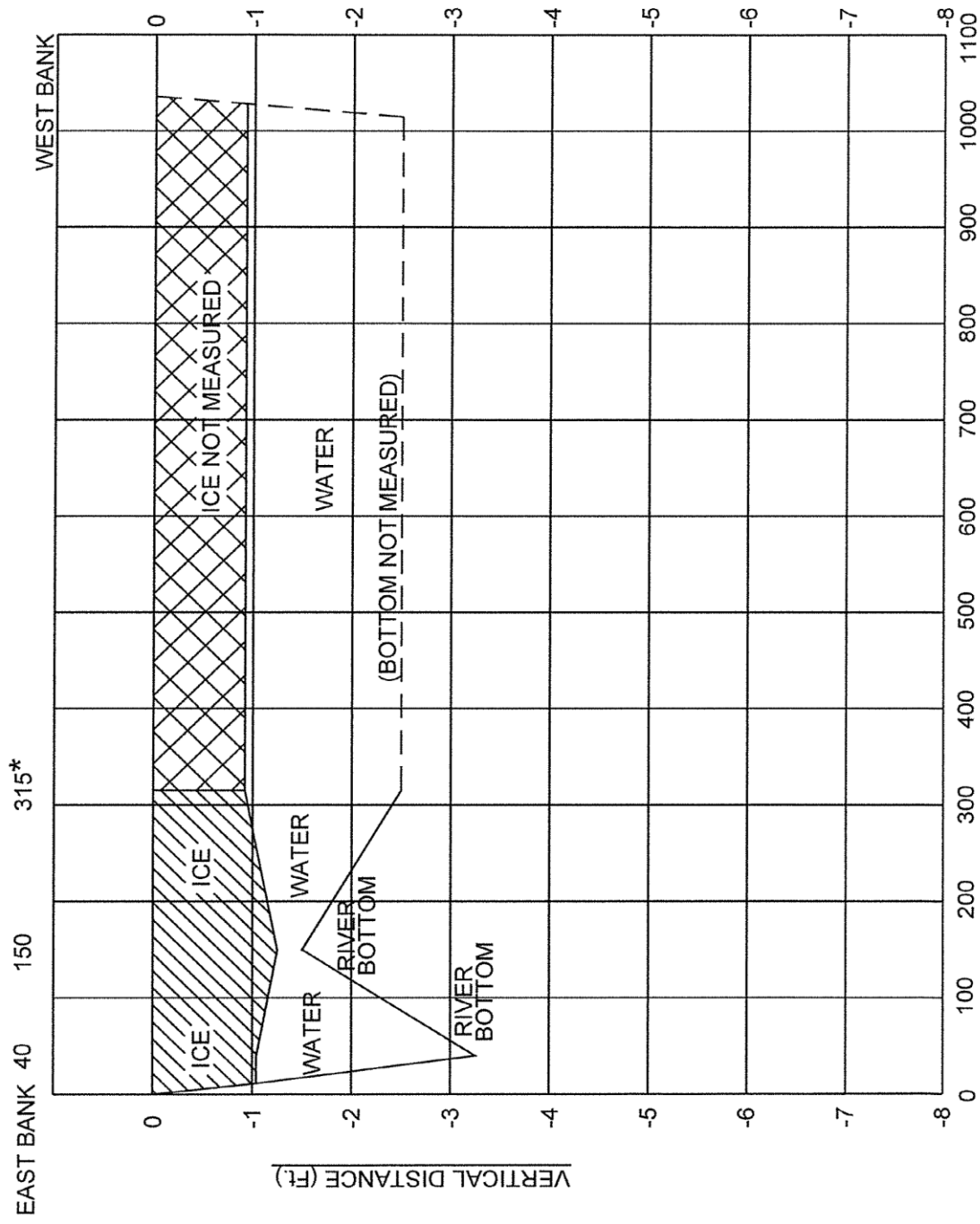
*This hole is located about 685 feet from the west bank of the river. The average ice thickness is **12.8 inches**.

Enclosure

CC: John Winkler, Marlin J. Petermann, Martin Cleveland, Amanda Grint,
Emmett Egr, and Directors, P-MRNRD
Mary Baker, NEMA
Bill Jones, NDNR
David Pearson, NWS
Kim Thomas, USACE

PLATTE RIVER: 1.1 Miles Upstream of Hwy. 64 (STA. 155+00, UNION DIKE)

(Werner Property)



WEST

Looking Downstream

HORIZONTAL DISTANCE (Ft.)

*Hole location is approx. 685' from the west bank.
February 11th, 2014

MEMORANDUM

TO: File 536

FROM: Bill Warren, O&M Superintendent

SUBJECT: Platte River Ice Thickness Measurement Along Western Sarpy Levee

DATE: February 11, 2014

On February 11, 2014, Pat McEvoy performed ice thickness measurements on the Platte River. The measurements were taken perpendicular to the river flow, near the levee in Beacon View area, at approximately Station 31+00 (0.6 miles upstream of BNSFRR).

A gas powered auger was used to drill the holes. The location of the holes on the table below were measured (stepped off) from the east bank of the Platte River. Ice was too thin past 140 ft. hole to permit ice boring.

Distance From East Bank (Feet)	Ice Thickness (Inches)	Depth From Top of Ice to River Bed (Inches)
40	8.0	21.0
140*	10.5	39.0

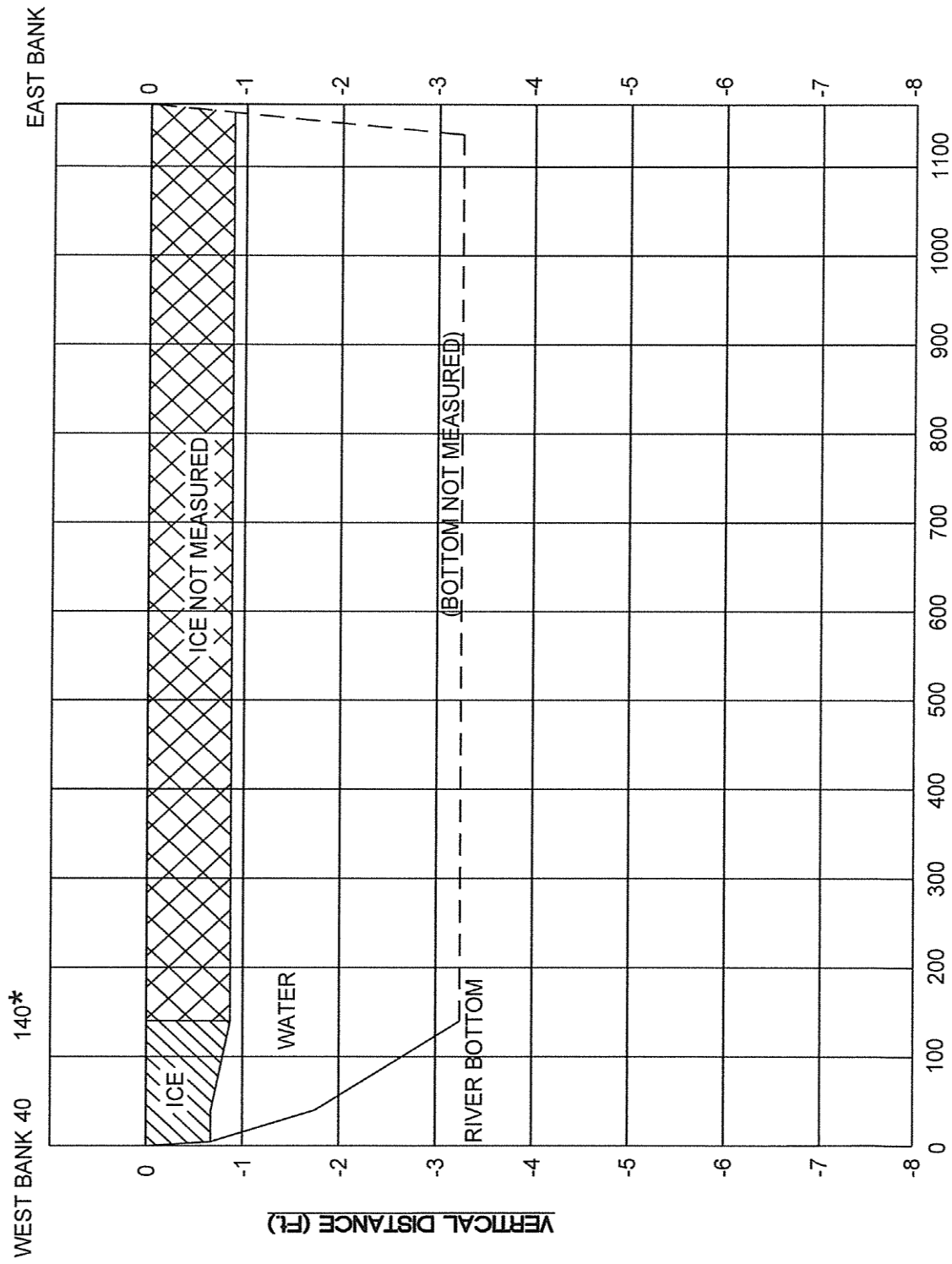
*This hole is located about 1,010 feet from the west bank of the river. The average ice thickness is **9.3 inches**.

Enclosure

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PLATTE RIVER: 0.6 MILES UPSTREAM OF BNSFRR (STA. 31+00 WESTERN SARPY LEVEE)

(NEAR CAMP ASHLAND)



*Hole Location is approx. 1010' from the East bank. February 11th, 2014

HORIZONTAL DISTANCE (Ft.)

EAST Looking Upstream

